

ABSTRACT

An object-based framework for a wireless access network is provided. Several applications of the proposed framework to enable multicasting and RSVP in the wireless access network are also provided. The object-based framework solves the problem of micro-mobility, in which a mobile host can maintain active TCP sessions during handoff. The location transparency and object serialization functions of distributed object technology are used to solve IP mobility issues. A network node adapted to forward a data packet, such as an IP packet, to a mobile host connected to a radio node by performing a remote method invocation with the data packet as an argument